Supplemental Figure 1

miR-17-92 cluster induction in human naive T cells depends on CD28 costimulation

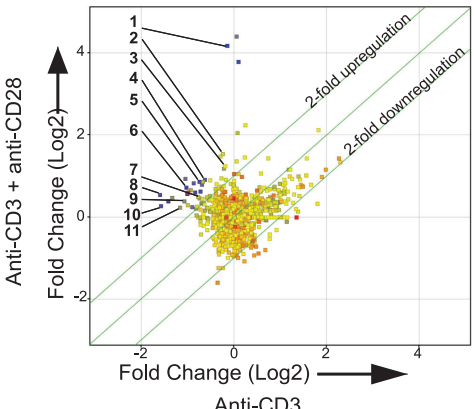
Microarray analysis of miRNA expression in human $CD4^+CD45RA^+$ T cells stimulated for 24h with anti-CD3 alone or a combination of anti-CD3 and anti-CD28. Data are pooled from three experiments.

Supplemental Figure 2

CD69 is a likely direct target of miR-17-92

Flow cytometry based phenotypic characterization of miR-17-92-deficient Treg. Pooled lymph node (LN) and spleen from mice immunized with MOG35-55/CFA were analyzed 7 days post priming. Gated on live $CD4^+Foxp3^-$ (Tconv) or $CD4^+Foxp3^+$ (Treg). The mean fluorescence intensity (MFI) was normalized due to inter-experimental variability. Shown are pooled data from 4 (CD127, GITR, CD103, CTLA-4, CD69) and 3 (Neuropilin-1) independent experiments; error bars represent SEM; symbols represent individual mice. Two-tailed Mann-Whitney test was used to compare control and ko for Tconv and Treg separately: $p=0.0348$ (E, Treg), $p<0.0001$ (F, Treg).

Supplemental Figure 1



1. hsa-miR-155
2. hsa-miR-18a
3. hsa-miR-18b
4. hsa-miR-106a
5. hsa-miR-17
6. hsa-miR-20b
7. hsa-miR-106b
8. hsa-miR-20a
9. hsa-miR-19b
10. hsa-miR-19a
11. hsa-miR-93

Supplemental Figure 2

De Kouchkovsky et al.